



POSITION TITLE: Engineering CO-Op / Intern for Investment Casting

DEPARTMENT: Manufacturing

LOCATION: Fond Du Lac, WI

INVESTMENT CASTING FACILITY

Mercury's state of the art investment casting facility manufactures world class marine propellers. The 76,000 square foot incorporates the lost wax casting process to manufacture stainless steel propellers that features the latest in equipment and technology that included wax pattern tooling, robotic dipping, melting, pouring, machining and finishing.

GENERAL RESPONSIBILITIES

Seeking an individual who is dependable, self-motivated and able to maintain a professional working relationship with supervisors, hourly employees and other internal engineers, technicians, and managers. The candidate will generally work independently under the guidance of the Process Manager. This individual will gain valuable practical experience in rapid prototyping, wax injection, ceramic shell building, melting, finishing and pouring of castings.

Primary Duties and Responsibilities:

- The candidate will be exposed to test equipment, product design, and manufacturing of stainless steel propellers for the recreational boating industry.
- The position will allow the candidate to use equipment such as Optical Emission Spectrometer, ceramic testing equipment, ultrasonic test equipment.
- Convert rapid prototype patterns into aluminum or stainless steel castings.
- Perform professional manufacturing engineering assignments of a wide complexity, under general direction, with considerable discretion as to work details.
- Plan, organize, and conduct technical projects under general supervision.
- The candidate does NOT need to be experienced with the equipment; training will be provided on the job. Written documentation of laboratory testing results will also be required.
- Use of lean six sigma tools will be utilized.

Knowledge, Skill and Ability Requirements:

- A metallurgical and ceramic undergraduate studies is a plus.

Education and Experience Requirements:

- Must be a minimum of a second semester sophomore, hold a minimum of 45 credits, and be enrolled in an approved four-year related curriculum and a formalized Co-Op Program University.
- Pursuing a BS Degree with Metallurgical or Materials Engineering, Materials Science & Engineering emphasis.
- Must have cleared their school schedule so they will be available to work full-time hours (40 hours per week) through the entire co-op term or terms by Mercury Marine and the University.